

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/010231

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H03D7/14 H03D7/12 H04B1/10

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H03D H04B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 498 926 B1 (CICCARELLI STEVEN C ET AL) 24 December 2002 (2002-12-24) figures 2,3 column 7, line 65 - column 8, line 5 column 8, lines 25-27 column 8, lines 41-43 column 8, line 65 - column 9, line 2 column 12, lines 39-49 column 16, line 36 - column 17, line 4	1-9
A	Datasheet MC13143/D, Rev. 0, 1997 "Advance Information, Ultra Low Power DC-2.4 GHz Linear Mixer" Published by Motorola, Inc. XP002310710 page 5, left hand column, paragraph titled "Mixer Linearity Control" figure 8	1-9

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *G* document member of the same patent family

Date of the actual completion of the international search

15 December 2004

Date of mailing of the international search report

21/01/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Robinson, V

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/010231

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 999 649 A (NOKIA MOBILE PHONES LTD) 10 May 2000 (2000-05-10) paragraph '0013!; figure 2	1-3,6,7
X	WO 02/084859 A (KIVEKAES KALLE ; NOKIA CORP (FI); PAERSSINEN AARNO (FI)) 24 October 2002 (2002-10-24) figures 3,5,6 page 6, line 23 - page 7, line 2 page 7, lines 27-29 page 8, lines 13-18 page 8, line 29 - page 9, line 2	1,2,6
X	EP 1 193 863 A (TOKYO SHIBAURA ELECTRIC CO) 3 April 2002 (2002-04-03) paragraphs '0034! - '0037!; figure 10	1,6

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/010231

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 6498926	B1	24-12-2002	AU 754973 B2	28-11-2002
			AU 1632999 A	28-06-1999
			BR 9813481 A	23-10-2001
			CA 2313471 A1	17-06-1999
			CN 1136664 B	28-01-2004
			EP 1040586 A1	04-10-2000
			JP 2001526485 T	18-12-2001
			NO 20002931 A	31-07-2000
			US 6175279 B1	16-01-2001
			WO 9930426 A1	17-06-1999
EP 0999649	A	10-05-2000	FI 982409 A	07-05-2000
			EP 0999649 A2	10-05-2000
			US 2003045243 A1	06-03-2003
WO 02084859	A	24-10-2002	WO 02084859 A1	24-10-2002
			US 2004137870 A1	15-07-2004
EP 1193863	A	03-04-2002	JP 2002111412 A	12-04-2002
			EP 1193863 A2	03-04-2002
			US 2004164784 A1	26-08-2004
			US 2002044020 A1	18-04-2002